

4 CRUDE MAJOR EWO NO. :		BE312-II		REV: 0	
PLANT: 4 CRUDE		SAP COST CENTER: DD173-EXP			
W/O # 313129- 001		PROJECT / OUTAGE #: SDD108A			
V-1100 INSPECTION'S RECO					
MOC #:					
<p style="text-align: center;">Level 1 - Management of Change Review</p> <p>Will This Change:</p> <div style="margin-left: 20px;"> <input type="checkbox"/> Cause the use of different feeds, chemicals, or catalysts? <input type="checkbox"/> Cause the use of different process conditions, instrumentation, process control, or affect upstream/downstream plants? <input type="checkbox"/> Cause the use of new or modified equipment (which is other than in-kind)? <input type="checkbox"/> Alter equipment siting, building, trailer locations, roads, or fire protection? <input type="checkbox"/> Require modifying existing and/or developing new procedures? <input type="checkbox"/> Affect employee emergency response due to an organizational change? <input type="checkbox"/> Transfer the responsibility for any environmental, health, or safety-related task? <input type="checkbox"/> Alter the permanent staffing level or organization of any safety-sensitive job? </div>					
SAFETY OPERATOR		IN VOC SERVICE?		IN PLANT WELDING?	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
APPROVALS					
OPERATIONS : K. Sohnrey		DATE: 9/14/10		PHONE: 2-2042	
INSPECTIONS : J. Beauregard		DATE: 9/20/10		PHONE: 2-5187	
IMPACT. T.L : S. Woolley		DATE: 9/15/10		PHONE: 2-5404	
MAINTENANCE: M. Paulson		DATE: 9/16/10		PHONE: 2-1708	
R. RAMIREZ SEP 16 2010					

252 - Drums / Vessels Worklist



Report Date: August 05, 2010

Data Source: Meridium

IDENTIFICATION

Worklist ID: WL-0712188076

Equip. Location: V-1100 (955): ATM REFLUX DRUM ATM STRUCTURE

Asset ID: D-5879

Unit: 0955: 4 CRUDE UNIT PLT 11

Activity ID: 2011 D&R Major S/D

Date Created: 09/15/2005

Date Modified: 12/12/2007

MFR: 80100639

MFR Model No: 13X29FT.6IN.

MFR Serial No: 14293

Asset Type: 252 - 252 - Drums / Vessels

GENERAL

Available During Run?	
Bill of Material	
Recertify	
Comments: Shell and heads: SA-285 C; 0.69" nominal (t-min heads: 0.50"; shell: 0.31") 156" ID x 29'-6" long; NOT pwht; MPT = 40 deg F; Hydro = 75 psig Atmospheric reflux drum	

INTERNAL

Open Internal Manways	as required by maintenance following AUT external inspection results
Clean Internally	Gritblast for inspection and repairs pending external AUT inspection
Weld Overlay	pending external AUT inspection results
Strip Lining	
Demister Pad	
Hydrotest Shell	Hydrotest Shell at 75 psig at MPT of 40 deg. F as required by Inspection
Chemical Clean	
Shell	Repair internally corroded lower shell and heads and H2O boot or replace entire vessel
Staging Required	To inspect top portion of vessel if a full API internal inspection is requested
Repair Gasket Surface	
X Additional Instruction	perform external AUT inspection on the lower portions of the shell to determine corrosion rates. This information will validate plan to inspect in 2011 or 2017 internally.
X Additional Instruction	Internal inspection due 4/7/2012 due to internal corrosion/t-min date pending AUT inspection results

Note:

DRIVERS: Internal corrosion rate. API inspection based on half life. We will perform an external AUT inspection to confirm corrosion rates and determine path forward.

1) Severe internal corrosion and pitting noted in 2007 S/D reports on the bottom portion of the shell and heads and on the upper section and bottom head of H2O boot. Worst corrosion rate is on the H2O boot shell (9.8 mpy; t-min date 4/2012).

Vessel very dirty and gritblasting was required for inspection.

Top portion not staged and not inspected as a result. The boot will need to be staged for internal inspection.

INTERNAL

Open External Manways	as required by maintenance pending external AUT inspection results
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X	Staging Required	As requested by AUT crew prior to S/D for external inspection
	Repaired Gasket Surface	
	Insulation	
X	Additional Instruction	Perform external AUT inspection validate internal corrosion rates and satisfy API compliance for internal inspection.
X	Additional Instruction	additional surface preparation may be required by AUT crew
Note:		